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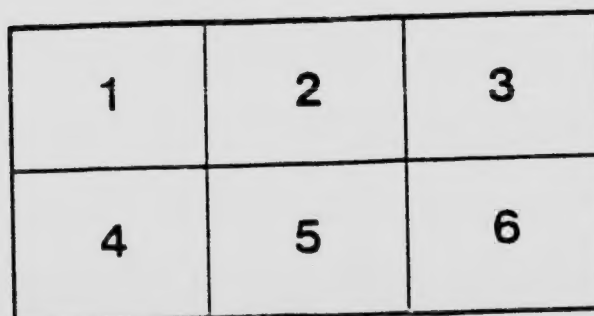
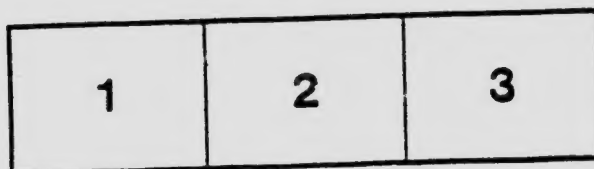
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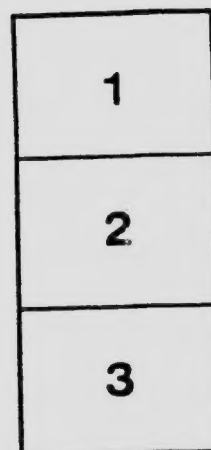
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LABORATORY
OF THE
INLAND REVENUE DEPARTMENT

OTTAWA, CANADA

BULLETIN No. 105

FERTILIZERS AS SOLD

LABORATORY

OF THE

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BULLETIN No. 105

FERTILIZERS AS SOLD

W. J. GERALD, Esq.,
Deputy Minister of Inland Revenue Department.

OTTAWA, August 19, 1905.

DEAR SIR,—I have the honour to present you the results of analysis of 88 samples of Fertilizers, purchased in the open market during the months of April, May and June of this year.

This procedure is in accordance with the terms of Section 5 of the Fertilizers Act, which requires not only that manufacturers, importers or vendors shall furnish standard samples of the brands which they propose to place on the market, but that such action shall not limit the right of the inspector to procure samples for analysis in accordance with the subsequent provisions of the Act.

The samples now reported may be classified as follows:—

District.	Total inspected.	Genuine.	Below guarantee.	Not registered.	Doubtful.
Nova Scotia.....	7	4	0	3	0
Prince Edward Island.....	2	1	0	1	0
New Brunswick.....	7	4	2	1	0
Quebec.....	7	7	0	0	0
St. Hyacinthe.....	10	3	3	2	2
Montreal.....	15	10	4	0	1
Kingston.....	10	6	0	4	0
Toronto.....	12	7	1	3	1
London.....	10	3	0	7	0
British Columbia.....	8	5	0	3	0
Total.....	88	50	10	24	4

The samples whose analysis is now reported, should be directly comparable with one or other of the brands registered in Bulletin 101. Much difficulty has been found in identifying the samples purchased, and the inspectors have in many cases, been uncertain as to identity. Hence it comes that four (4) samples are marked 'doubtful,' and it is quite possible that some of the samples classed as 'not registered' may owe this to imperfect description.

I would suggest that manufacturers and importers, be required to distinguish each brand by a perfectly distinctive name (as is already done by many manufacturers) and that the brand so distinguished should be always sold under its proper name. Such names as 'Potato fertilizer' 'Bone meal' 'Lawn fertilizer' etc., are too general and permit of much error in comparison with standards. It would also be well that, in buying samples on the open market, the inspector should carry with him a copy of the list of standard fertilizers registered for the year, and require each vendor to identify the sample sold by him, with a registered brand; failing which, the sample sold by him would of course, fall into the class of unregistered fertilizers.

I beg to recommend that this report be published as Bulletin 105.

I have the honour to be, sir, your obedient servant,

A. MCGILL,
Acting Chief Analyst.

RECORD of Fertilizer

Date of Collection.	Name of Sample or Brand.	No. of Sample.	Name and Address of Vendor.	Name and Address of Manufacturer or Furnisher.	Inspector's Report.
<i>District of Nova Scotia— R. J. Waugh, Inspector.</i>					
April 25	Potato Manure	20485	Capt. C. O. Allen, Kentville, N.S.	Pidgeon Fertilizer Co., Windsor, N.S.	As sold. As guaranteed. Standard sample (1710)
" 25	Orchard Fertilizer.	20486	" " "	" " "	As sold. As guaranteed. Standard sample (1712)
" 26	Swift's Animal Brand for all crops.	20489	R. E. Harris, Wolf- ville, N.S.	Swift's Lowell Co., Boston, Mass.	As sold. As guaranteed. Standard sample (1677)
" 26	Potato and Vegetable Phosphate.	20491	F. W. Woodman, Wolfville, N.S.	Bowker, Boston, Mass.	As sold. As guaranteed. Standard sample (1680)
" 26	Hill and Drill Phosphate	20492	" " "	" " "	As sold. As guaranteed. Standard sample
" 27	Blood, Bone and Potash Fertilizer.	20494	F. W. Dimock, Windsor, N.S.	Nova Scotia Fertiliz- er Co., Halifax, N.S.	As sold. As guaranteed. Standard sample (1691)
" 27	Ceres Brand.	20495	" " "	" " "	As sold. As guaranteed. Standard sample (1693)
<i>District of P. E. Island— T. Moore, Inspector.</i>					
May 3	Bowker's Bone and Pot- ash Square Brand.	24424	F. W. Strong, Sum- merside, P. E. I.	Bowker Mfg. Co., New York.	As sold. As guaranteed. Standard sample
" 3	Swift's Lowell Animal Brand.	24428	J. D. Schurman, Kensington, P. E. I.	Swift's Lowell Fertiliz- er Co., Boston.	As sold. As guaranteed. Standard sample (1677)
<i>District of New Brun- swick—J. C. Ferguson, Inspector.</i>					
April 19	Fertilizer.	23891	Mfr	Thos. Reid, Parish of Simonds, St. John County, N.B.	As sold. As guaranteed. Standard sample (1645)
" 26	Swift's Potato Phosphate	23894	Sussex Mercantile Co., Sussex, N.B.	New England Fertiliz- er Co., Boston, Mass.	As sold. As guaranteed. Standard sample (1676)
" 27	Potato Special	23895	Toombs & Son, Main st., Moncton.	The American Agri- Chemical Co.	As sold. As guaranteed. Standard sample (1669)
May 9	Climax Phosphate.	24002	F. M. Murchie, King street, St. Stephen.	" "	As sold. As guaranteed. Standard sample (1664)
" 11	Potato and Vegetable Phosphate.	24004	A. R. Hallet, Grand Falls station.	Bowker Fertilizer Co., Boston, Mass.	As sold. As guaranteed. Standard sample

RESULTS OF ANALYSIS.											Relative value per ton, 2000 lbs.	Analyst.	Remarks.	No. of Sample.
Nitrogen.		Phosphoric Acid.					Potash.	Moisture.						
Total.	As Ammonia.	Soluble in water.	Citric Soluble.	Insoluble.	Total.	Available.								
p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	& cts				
2 74	3 33	4 73	3 64	1 13	9 50	8 37	4 15	11 99	23 48	M. Bowman	Unadulterated	20485		
2 38	3 70	7 35	1 92	2 77	2 02	9 27	4 77	13 04	24 62	"	Unadulterated	20486		
0 22	0 27	4 43	2 07	0 43	7 53	7 10	10 83	10 83	19 29	"	Unadulterated	20489		
Trs.	Trs.	5 12	2 72	0 63	8 47	7 84	11 41	12 64	20 73	"	Unadulterated	20489		
2 02	2 45	6 72	2 71	1 00	10 43	9 43	5 81	12 61	21 08	"	Not registered and there- fore illegally sold. Com- parison with 1680 is ques- tionably correct.	20491		
3 00	3 72	6 39	2 83	2 48	11 70	9 22	5 15	10 64	21 99	"	Not registered and there- fore illegally sold.	20492		
1 79	2 18	5 98	4 05	2 05	12 08	10 03	1 06	12 20	19 39	"	Not registered and there- fore illegally sold. This fertilizer is made by the Prov. Chem. Fertilizer Co., St. John, N.B. Com- parison with 1691 is un- certain.	20494		
3 29	4 00	6 00	2 00	1 00	9 00	8 00	7 00			"	Up to guarantee	20495		
3 44	4 18	7 03	0 65	2 55	10 23	7 18	8 08	13 12	29 67	"	Not registered and there- fore illegally sold.	20496		
2 27	2 75	6 57	3 67	1 44	11 68	10 24	2 13	11 81	22 20	"	Not registered and there- fore illegally sold.	20497		
1 79	2 18	0 45	8 89	1 31	10 65	9 34	3 08	6 89	19 39	"	Not registered and there- fore illegally sold. This fertilizer is made by the Prov. Chem. Fertilizer Co., St. John, N.B. Com- parison with 1691 is un- certain.	20498		
1 82	2 21	7 99	1 61	4 79	14 39	9 60	4 88	8 44	23 86	"	Up to guarantee	20499		
1 74	2 11	3 27	5 41	3 95	12 63	8 68	3 20	8 85	20 18	"	Not registered, and there- fore illegally sold.	20499		
2 10	2 55	8 95	0 65	1 43	11 03	9 60	4 53	13 28	23 55	"	Not registered, and there- fore illegally sold.	20499		
1 65	2 01	1 01	6 26	3 84	11 12	7 27	2 00	17 28	16 86	"	Not registered, and there- fore illegally sold.	20499		
2 35	2 86	6 85	9 34	1 78	10 98	9 19	4 09	15 92	23 41	"	Unadulterated	20499		
2 74	3 72	6 39	2 83	2 48	11 70	9 22	5 15	10 64	24 99	"	Unadulterated	20499		
3 00	3 64	1 97	3 88	3 97	9 82	5 85	3 15	24 97	21 17	"	Not up to standard in avail- able phosphoric acid.	20499		
2 88	3 50	3 20	8 96	6 20	18 36	12 16	3 75	20 80	29 10	"	Below guarantee in potash.	20499		
1 96	2 38	4 80	2 79	2 06	9 65	7 59	3 57	11 07	19 68	"	Unadulterated. (Mr. Bow- man identifies this with No. 1660, Bulletin 101.) Identification doubtful.	20499		
2 68	3 26	6 27	2 37	2 23	10 87	8 64	6 68	10 88	26 59	"	Unadulterated	20499		
2 16	2 62	4 93	3 53	2 56	11 02	8 40	3 45	12 59	21 36	"	Unadulterated	20499		
0 82	1 00	2 00	2 00	1 00	5 00	4 00	8 00			"	Unadulterated	20499		
0 70	0 85	3 52	2 69	2 55	8 76	6 21	7 14	12 40	17 47	"	Unadulterated	20499		
1 34	1 63	6 09	2 84	2 29	11 22	8 93	2 22	13 55	17 97	"	Unadulterated	20499		
1 03	1 25	6 00	2 00	2 00	10 00	8 00	2 00			"	Unadulterated	20499		
1 47	1 79	3 84	4 63	3 84	12 31	8 47	2 62	14 08	18 47	"	Not registered and there- fore illegally sold.	20499		
1 99	2 41	6 03	3 54	2 51	12 11	9 60	3 18	14 03	21 86	"	Not registered and there- fore illegally sold.	20499		

Record of Fertilizer

Date of Collection.	Name of Sample or Brand.	No. of Sample.	Name and Address of Vendor.	Name and Address of Manufacturer or Furnisher.	Inspector's Report.
	<i>District of New Brunswick—Con.</i>				
May 12	Great Eastern Grass and Oats.	24006	Solomon Perley, Woodstock, N.B.	The American Agri. Co., New York.	As sold. As guaranteed. Standard sample (1625)
" 15	Special Potato Phosphate <i>District of Quebec—Geo. Mulrooney, Inspector.</i>	24009	James A. Bell, Fredericton.	Provincial Chemical Fertilizer Co., St. John, N.B.	As sold. As guaranteed. Standard sample (1687)
June 12	Victor.	25401	J. B. Renaud, St. Paul st., Quebec.	Capelton Chemical Co., Buckingham.	As sold. As guaranteed. Standard sample (1608)
" 12	"	25402	P. T. Legare, St. Paul st., Quebec.	Nichols Chemical Co. Capelton.	As sold. As guaranteed. Standard sample (1608)
" 12	No. 1.	25403	" "	Capelton Chemical Co.	As sold. As guaranteed. Standard sample (1605)
" 12	Capelton.	25404	" "	" "	As sold. As guaranteed. Standard sample (1610)
" 12	Sure Growth.	25405	Eug. Julien, St. Sauveur.	Freeman Fertilizer Co.	As sold. As guaranteed. Standard sample (1630)
" 12	Tobacco Manure.	25406	" "	" "	As sold. As guaranteed. Standard sample (1636)
" 12	Thomas Phosphate.	25407	" "	Imported.	As sold. As guaranteed. Standard sample (1620)
	<i>District of St. Hyacinthe—J. C. Rouleau, Inspector.</i>				
April 25	Bradley's Fertilizer.	24675	A. McLeay & Kiddle Bros.	Bradley Fertilizer Co., Boston, Mass.	As sold. As guaranteed. Standard sample (1652)
" 26	Victor.	24676	L. E. Thibaudeau, Plessisville.	The Chemical Co. of Canada, Capelton, Que.	As sold. As guaranteed. Standard sample (1608)
" 26	"	24677	G. P. Nadeau, Stanfold.	" "	As sold. As guaranteed. Standard sample (1608)
" 26	Blood, Bone and Potash Fertilizer.	24678	F. Allard, Stanfold.	Provincial Chemical Fertilizer Co., St. John, N.B.	As sold. As guaranteed. Standard sample (1691)
" 26	Potato Fertilizer.	24679	Nolin & Roux, Stanfold.	Bowker Fertilizer Co., Boston.	As sold. As guaranteed. Standard sample (1647)
" 27	Read's Practical Potato Special.	24680	H. C. Baldwin, Dixville Road, Contooske.	The American Agricultural Chemical Co., New York.	As sold. As guaranteed. Standard sample (1669)
" 28	Pacific Nobisque Guano.	24681	" "	" "	As sold. As guaranteed. Standard sample (1661)
" 28	Bradley's Alkaline Bone with Potash.	24682	" "	" "	As sold. As guaranteed. Standard sample (1663)

Samples as sold in 1905—Continued.

RESULT OF ANALYSIS.											Relative value per ton, @ 1000 lbs.	Analyst.	Remarks.	No. of Sample.
Nitrogen.		Phosphoric Acid.					Potash.	Moisture.						
Total.	As Ammonia.	Soluble in water.	Citric Soluble.	Insoluble.	Total.	Available.								
p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	# cts					
0 14	0 17	7 15	3 81	2 14	13 10	10 96	1 93	12 46	15 38	J. T. Donald	Unadulterated.....	24076		
Tr.	Tr.	11 00	1 00	2 23	13 11	10 88	2 00	3 03	14 26	12 37	Up to guarantee.....	24000		
1 46	1 77	6 71	3 50	3 63	13 28	9 64	3 53	10 06	20 87					
2 24	2 50	6 14	3 50	3 63	13 28	8 00	1 50	11 50	28 64					
2 72	2 72	7 99	1 61	5 11	14 71	9 60	8 14	7 44	28 64					
2 52	3 06	5 55	1 90	6 42	13 87	7 45	2 29	9 45	21 52	J. T. Donald	Up to guarantee.....	25401		
2 50	2 00					7 00	3 00							
2 50	3 15	5 75	1 13	5 27	12 15	6 88	4 96	11 24	23 49		According to guarantee....	25402		
2 03	2 46	3 55	2 41	4 50	10 46	5 96	2 26	11 68	17 43					
	2 00					7 00	3 00							
2 50	3 15	5 75	1 13	5 27	12 15	6 88	4 96	11 24	23 49		Genuine.....	25403		
0 91	1 10	5 07	3 02	8 03	16 12	8 09	0 42	8 76	15 31					
						11 50								
		9 75	2 72	5 43	17 90	12 47		11 08	16 32		According to guarantee....	25404		
0 35	0 42	5 47	1 83	7 66	14 96	7 30	0 13	11 06	12 18					
						8 00								
1 19	1 45	5 91	0 30	6 23	12 53	6 30		12 32	13 44		According to guarantee....	25405		
3 18	3 86	4 03	4 73	4 48	13 24	8 76	1 09	12 48	24 17					
	3 50					8 00	3 00							
2 94	3 57	5 24	3 21	7 03	15 48	8 45	2 85	15 60	24 18		According to guarantee....	25406		
4 62	5 61	3 38	3 51	3 37	10 26	6 89	6 27	12 54	30 89					
	6 00					7 00								
4 90	5 95	5 76	2 71	4 80	12 27	8 47	6 40	13 96	34 39		Genuine.....	25407		
			11 61	5 31				0 09	14 36					
			14 14	3 00		14 14			17 65		The name under which sold is not sufficiently explicit for certain identification.	24675		
1 06	1 29	7 52	...	2 67		8 40	2 44	12 32	17 32					
1 03	1 25	6 00	2 00	2 30	16 00	8 00	2 00							
1 33	1 61	3 84	3 26	3 64	10 68	7 04	1 89	13 85	15 63		Below guarantee in available phosphoric acid.	24676		
1 65	2 01	4 75	0 02	4 78	9 55	4 77	2 52	10 42	15 29					
	2 00					7 00	3 00							
	3 15	5 75	...	5 27	12 15	6 88	4 96	11 24	23 49		Slightly below guarantee in available phosphoric acid.	24677		
	2 26	5 71	6 21	3 98	9 90	5 92	3 08	11 81	17 67					
	2 00					7 00	3 00							
2 59	3 15	5 75	1 13	5 27	12 15	6 88	4 96	11 24	23 49		Slightly below guarantee in potash.	24678		
1 42	1 73	6 65	0 66	4 25	11 56	7 31	2 94	12 57	17 73					
	2 00					7 00	4 00							
1 82	2 21	7 99	1 61	4 79	14 39	9 60	4 88	8 44	23 86		Not sufficiently described to permit of certain identification with standard.	24679		
0 95	1 16	4 48	2 91	1 29	8 59	7 39	5 08	8 51	17 24					
2 06	2 50	5 00	3 00	2 00	10 00	8 00	3 00							
1 40	1 70	7 16	0 33	4 79	12 28	7 49	3 37	13 30	18 52		Above guarantee in every respect.	24680		
0 96	1 16	4 29	2 56	2 58	8 43	5 85	8 36	10 01	20 34					
0 82	1 00	2 90	2 00	1 00	5 00	4 00	8 00							
0 70	0 85	3 52	2 69	2 55	8 76	6 21	7 14	12 90	17 47		Genuine.....	24681		
1 56	1 89	3 65	2 54	2 69	8 88	6 19	2 01	16 30	15 28					
1 03	1 25	6 00	2 00	2 00	10 00	8 00	2 00							
1 54	1 87	4 79	3 21	3 19	11 19	8 00	1 91	14 04	17 38		Up to guarantee.....	24682		
0 42	0 51	4 84	5 51	2 66	13 01	10 35	1 85	13 93	15 92					
		6 00	5 00	1 00	12 00	11 00	2 00							
0 28	0 34	6 07	4 10	2 87	13 04	10 17	2 24	13 77	15 84					

RECORD of Fertilizer

Date of Collection.	Name of Sample or Brand.	No. of Sample.	Name and Address of Vendor.	Name and Address of Manufacturer or Furnisher.	Inspector's Report.
	<i>District of St. Hyacinthe—</i> Con.				
May 3	Sure Crop Fertilizer. . . .	24683	C. M. Chappel, St. Alexander.	Bowker Fertilizer Co., Boston.	As sold. As guaranteed. Standard sample.
" 3	6% Potato Fertilizer. . . .	24694	A. J. Gosselin, St. Alexander.	"	As sold. As guaranteed. Standard sample.
	<i>District of Montreal—J. J. Costigan, Inspector.</i>				
" 8	Standard	25216	Brodie & Harvie, 7 Bleury st., Montreal.	Standard Fertilizer Chemical Co., Smith's Falls.	As sold. As guaranteed. Standard sample (1640)
" 8	Special	25217	"	"	As sold. As guaranteed. Standard sample (1639)
" 9	Bone and Potash.	25218	Wm. Ewing & Co., McGill St.	W. A. Freeman Co., Hamilton.	As sold. As guaranteed. Standard sample (1631)
" 9	Lawn Fertilizer	25219	"	"	As sold. As guaranteed. Standard sample (1630)
" 9	Bone Meal.	25220	"	"	As sold. As guaranteed. Standard sample (1637)
" 9	Celery and Vegetable. . . .	25221	"	"	As sold. As guaranteed. Standard sample (1632)
" 9	Tankage.	25222	"	"	As sold. As guaranteed. Standard sample (1635)
" 9	Sure Growth.	25223	"	"	As sold. As guaranteed. Standard sample (1630)
" 10	No. 1 Fertilizer.	25224	R. J. Latimer & Co., St. Antoine st., Montreal.	Capelton Chemical Fertilizer Co., Buckingham.	As sold. As guaranteed. Standard sample (1605)
" 10	Royal Canadian.	25225	"	Nichols Chemical Co.	As sold. As guaranteed. Standard sample (1607)
" 10	Victor	25226	"	"	As sold. As guaranteed. Standard sample (1608)
June 30	Fertilizer.	25227	Laing Packing & Provision Co., Montreal.	Laing Packing & Provision Co., Montreal.	As sold. As guaranteed. Standard sample (1612)
" 13	Fertilizer, Eclipse Brand.	25408	R. F. McKee, Richmond, P.Q.	American Agricultural Chemical Co.	As sold. As guaranteed. Standard sample (1651)
" 13	Potato Fertilizer.	25409	Kerr & Foss, Sherbrooke, P.Q.	"	As sold. As guaranteed. Standard sample (1647)
" 13	Eclipse Brand	25410	"	"	As sold. As guaranteed. Standard sample (1651)

Samples as sold in 1906—Continued.

RESULT OF ANALYSIS.										Relative value per ton, 2,000 lbs.	Analyst.	Remarks.	No. of Sample.
Nitrogen.		Phosphoric Acid.						Potash.	Moisture.				
Total.	As Ammonia.	Soluble in water.	Citric Soluble.	Insoluble.	Total.	Available.							
p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	% cts.				
1.17	1.42	3.20	3.45	3.32	9.97	6.65	2.15	18.38	14.74	J. T. Donald	Brand not registered	24683	
1.29	1.56	5.35	2.39	1.27	9.01	7.74	2.42	9.58	16.22	" ..	" ..	24694	
2.41	2.93	7.84	2.15	3.19	13.18	9.99	1.92	10.97	22.84	" ..	According to guarantee	25216	
2.73	3.31	6.90	2.37	3.39	12.66	9.27	2.10	9.08	23.22	" ..	" ..	25217	
2.91	3.54	0.71	8.67	3.04	12.42	9.38	6.28	9.18	27.46	" ..	" ..	25218	
3.29	3.99	7.54	1.93	2.55	12.02	9.47	7.25	12.36	30.37	" ..	" ..	25219	
2.57	3.12	0.29	7.75	4.68	12.72	8.04	5.57	5.80	24.53	" ..	" ..	25220	
2.59	3.14	4.48	2.88	6.52	13.88	7.36	4.98	15.60	24.78	" ..	Is imperfectly described so as to make identification doubtful. Appears to be low in potash.	25221	
2.12	2.57	0.93	9.74	3.57	14.24	10.67	1.74	12.42	21.82	" ..	Genuine	25222	
2.94	3.57	5.24	3.21	7.03	15.48	8.45	2.85	15.60	24.18	" ..	Above guarantee in phosphoric acid, but below guarantee in ammonia and potash.	25223	
2.39	2.91	10.59	12.21	22.80	10.59	10.04	23.43			" ..	Genuine	25224	
4.10	4.98	17.58	5.44	23.02	17.58	5.56	34.09			" ..	Above guarantee in phosphoric acid, ammonia and potash.	25225	
3.73	4.53	6.84	2.96	3.98	13.78	9.80	3.94	10.66	29.28	" ..	Low in available phosphoric acid.	25226	
5.04	6.12	5.12	3.04	4.31	12.47	8.16	5.14	13.64	33.04	" ..	Far below guarantee in available phosphoric acid, ammonia and potash.	25227	
7.33	8.90	0.11	10.28	2.98	13.37	10.39	0.45	10.97	37.71	" ..	Below guarantee in available phosphoric acid and potash.	25408	
7.11	8.63	13.74	2.72	16.46	13.74	7.20	38.68			" ..	Genuine	25409	
3.52	4.27	5.63	3.15	4.13	12.91	8.78	3.30	16.25	26.70	" ..	According to guarantee	25410	
2.94	3.57	5.24	3.21	7.03	15.48	8.45	2.85	15.60	24.18	" ..	" ..	25409	
0.51	0.62	4.44	2.41	7.49	14.34	6.80	0.31	7.41	12.25	" ..	" ..	25410	
1.70	1.99	3.78	0.97	7.04	11.79	4.75	1.26	10.98	14.74	" ..	" ..	25410	
4.55	5.32	8.63	1.77	3.67	14.07	10.40	6.34	6.52	28.83	" ..	" ..	25410	
1.77	2.15	3.51	1.48	6.91	11.90	4.99	1.18	9.31	14.21	" ..	" ..	25410	
2.59	3.15	5.75	1.13	5.27	12.15	6.88	4.96	11.24	23.49	" ..	" ..	25410	
9.73	11.81	5.14	0.76	5.90	5.14	5.14	7.70	38.95		" ..	" ..	25410	
7.30	8.86	11.20	1.59	12.79	11.20	9.16	32.51			" ..	" ..	25410	
6.16	7.38	2.71	2.73	10.46	7.73	1.97	11.33	16.06		" ..	" ..	25410	
1.26	1.53	6.02	2.00	2.00	10.00	8.00	2.00			" ..	" ..	25410	
1.03	1.25	4.48	2.44	3.51	10.43	6.92	2.41	14.10	16.42	" ..	" ..	25410	
1.44	1.75	3.63	3.98	2.34	9.95	7.61	2.13	8.57	18.92	" ..	" ..	25410	
2.06	2.50	5.00	3.00	2.00	10.00	8.00	3.00			" ..	" ..	25410	
1.40	1.70	7.16	0.33	4.79	12.28	7.49	3.37	13.30	18.52	" ..	" ..	25410	
1.12	1.38	4.99	3.06	1.67	9.72	8.05	2.15	18.41	15.79	" ..	" ..	25410	
1.03	1.25	6.00	2.00	2.00	10.00	8.00	2.00			" ..	" ..	25410	
1.44	1.75	4.48	2.44	3.51	10.43	6.92	2.41	14.10	16.42	" ..	" ..	25410	

RECORD of Fertilizer

Date of Collection.	Name of Sample or Brand.	No. of Sample.	Name and Address of Vendor.	Name and Address of Manufacturer or Furnisher.	Inspector's Report.
<i>District of Kingston— J. J. Costigan, Inspector.</i>					
April 28	Victor.....	25240	Jas. Truesdell, Brockville, Ont.	Nichols' Chemical Co.	As sold..... As guaranteed..... Standard sample (1608)
" 28	Corn Special.....	25241	H. Brown & Son, Brockville.	" "	As sold..... As guaranteed..... Standard sample.....
" 28	Standard.....	25242	J. D. Mills, Prescott, Ont.	Read Fertilizer Co.	As sold..... As guaranteed..... Standard sample (1655)
" 28	Vegetable and Vim.....	25243	J. D. Mills, Prescott, Ont.	" "	As sold..... As guaranteed..... Standard sample.....
" 28	Potato Special.....	25244	J. D. Mills, Prescott, Ont.	" "	As sold..... As guaranteed..... Standard sample (1669)
" 28	Corn Special.....	25245	A. Smaids, Prescott, Ont.	Nichols' Chemical Co.	As sold..... As guaranteed..... Standard sample.....
" 28	Victor.....	25246	A. Smaids, Prescott, Ont.	" "	As sold..... As guaranteed..... Standard sample (1608)
" 28	Special.....	25247	A. Smaids, Prescott, Ont.	" "	As sold..... As guaranteed..... Standard sample.....
" 28	No. 1.....	25248	A. Templeton, Oxford Mills.	" "	As sold..... As guaranteed..... Standard sample (1606)
" 28	Potato Fertilizer, Bradleys.	25249	Robert Palton, Bishop's Mills.	American Agricultural Chemical Co.	As sold..... As guaranteed..... Standard sample (1647)
<i>District of Toronto— J. J. Costigan, Inspector.</i>					
May 2	Potato Manure.....	25267	Rufus R. Gage, St. Catharines.	Freeman's, Hamilton	As sold..... As guaranteed..... Standard sample (1634)
" 2	Peruvian Guano.....	25268	Rufus R. Gage, St. Catharines.	Edmond Mortimer Co., New York.	As sold..... As guaranteed..... Standard sample.....
" 2	Complete Manure.....	25269	Tiltington Co., St. Catharines.	American Agricultural Chemical Co.	As sold..... As guaranteed..... Standard sample (1654)
" 2	B. D. Seafowl Guano ..	25270	Tiltington Co., St. Catharines.	" "	As sold..... As guaranteed..... Standard sample (1686)
" 2	Potato Fertilizer.....	25271	Tiltington Co., St. Catharines.	" "	As sold..... As guaranteed..... Standard sample (1647)
" 3	Ground Bone.....	25272	A. St. C. Fisher, Queenston, Ont.	" "	As sold..... As guaranteed..... Standard sample (1650)
" 3	Crokers' wheat and corn.	25273	A. St. C. Fisher.	" "	As sold..... As guaranteed..... Standard sample (1684)

Samples as sold in 1905—Continued.

RESULT OF ANALYSIS.										Relative value per ton, 2000 lbs.	Analyst.	Remarks.	No. of Sample.
Nitrogen.		Phosphoric Acid.						Potash.	Moisture.				
Total.	As Ammonia.	Soluble in water.	Citric Soluble.	Insoluble.	Total.	Available.							
							p.c.						
1.57	1.91	4.00	1.75	6.50	12.25	5.75	2.22	10.72	16.24	W. H. Ellis	Genuine	25240	
2.59	3.15	5.75	1.13	5.27	12.15	6.88	4.96	11.24	23.49	and A. Lemoine.			
0.76	0.92	2.25	2.55	3.85	8.65	4.80	5.45	12.32	14.68	W. H. Ellis.	Not registered	25241	
1.13	1.38	4.35	4.85	1.50	10.70	9.20	3.75	16.27	18.61	"	Genuine	25242	
0.82	1.00	5.00	3.00	2.00	10.00	8.00	4.00			"			
1.12	1.36	4.93	2.82	2.68	10.43	7.75	3.77	9.65	17.40	"	Not registered	25243	
1.54	1.87	4.15	2.80	1.60	8.55	6.95	5.12	16.31	18.90	"			
1.03	1.38	2.16	2.34	1.05	5.55	4.50	6.66	9.78	15.65	"	Genuine	25244	
0.82	1.00	2.00	2.00	1.00	5.00	4.00	8.00			"			
0.70	0.85	3.52	2.69	2.55	8.76	6.21	7.14	2.90	17.47	"	Not registered	25245	
1.74	2.11	3.75	4.45	5.35	13.55	8.20	4.14	9.96	16.90	"			
1.86	2.26	4.00	5.00	3.30	12.30	9.00	3.10	12.66	20.59	"	Genuine	25246	
2.59	3.15	5.75	1.13	5.27	12.15	6.88	4.96	11.24	23.49	"	Not registered	25247	
1.34	1.63	3.75	3.75	4.95	12.45	7.50	3.24	11.32	17.53	"			
2.56	3.15	8.45	2.80	2.10	13.35	11.25	2.53	11.55	25.08	"	Genuine	25248	
		9.75	2.72	5.43	17.90	12.47		11.08	16.32	"			
2.02	2.46	4.40	2.55	3.00	9.95	6.95	2.64	13.55	18.13	"		25249	
2.06	2.50	5.00	3.00	2.00	10.00	8.00	3.00			"			
1.40	1.70	7.16	0.33	4.79	12.28	7.49	3.37	13.30	18.52	"			
3.21	4.14	4.30	1.95	4.50	10.75	6.25	6.35	11.80	25.90	W. H. Ellis.	Genuine	25267	
	3.00			8.00		5.00				"			
2.80	3.40	6.07	2.73	5.59	14.39	8.80	5.56	14.72	27.04	"	Not registered	25268	
2.64	3.20	2.30	15.85	4.10	22.25	18.15	2.59	11.79	32.86	"			
2.91	3.52	3.10	11.00	4.50	18.60	14.10	3.87	9.07	30.85	"	Cannot be certainly identified for comparison.	25269	
3.30	4.00	4.00	2.00	1.00	7.00	6.00	10.00			"			
2.91	3.54	5.11	2.24	1.60	8.95	7.35	11.78	11.50	30.75	"			
1.79	2.17	4.45	5.45	2.65	12.55	9.90	6.70	12.36	24.90	"	Genuine	25270	
2.06	2.50	6.00	2.00	1.00	9.00	8.00	1.50			"			
2.17	2.63	6.27	3.13	3.71	13.11	9.40	1.95	10.24	21.41	"			
1.94	2.30	3.32	5.08	4.10	12.50	8.40	3.85	14.79	21.25	"		25271	
2.06	2.50	5.00	3.00	2.00	10.00	8.00	3.00			"			
1.40	1.70	7.16	0.33	4.79	12.28	7.49	3.37	13.30	18.52	"			
2.14	2.60		14.00	10.35	24.35	14.00		6.60	26.96	"		25272	
2.47	3.00			22.00						"			
2.94	3.57		15.62	10.04	25.66	15.62		2.45	29.70	"			
1.75	2.13	4.50	3.75	3.12	11.37	8.25	1.60	14.77	18.01	A. Lemoine.		25273	
2.06	2.50	6.00	2.00	1.00	9.00	8.00	1.50			"			
2.07	2.52	6.87	2.57	3.51	12.96	9.44	2.54	11.60	21.70	"			

RECORD of Fertilizer

Date of Collection.	Name of Sample or Brand.	No. of Sample.	Name and Address of Vendor.	Name and Address of Manufacturer or Furnisher.	Inspector's Report.
<i>District of Toronto—Con.</i>					
May	3 Special	25274	A. St. C. Fisher.	American Agricul- tural Chemical Co.	As sold. As guaranteed. Standard sample (1683)
"	3 Special Potash	25275	A. St. C. Fisher.	" "	As sold. As guaranteed. Standard sample (1681)
"	3 Cabbage and Potato.	25276	A. St. C. Fisher.	" "	As sold. As guaranteed. Standard sample (1685)
"	3 Grain and Grass	25277	Wm. Condlen, agent, Queens- ton, Que.	International Seed Co.	As sold. As guaranteed. Standard sample
"	3 Potato and Truck.	25278	Wm. Condlen, agent, Queens- ton, Que.	" "	As sold. As guaranteed. Standard sample.
<i>District of London— T. Kidd, Inspector.</i>					
April 19	Lawn Fertilizer.	22262	David Cook, Clin- ton, Ont.	A. Freeman, Hamil- ton.	As sold. As guaranteed. Standard sample (1630)
"	19 Bradleys Fertilizer.	22264	M. H. Howal, Goderich.	Howland & Son, wholesale hardware Toronto.	As sold. As guaranteed. Standard sample.
"	24 Bone Dust.	22266	John Byers, Strat- ford.	John A. Bruce, wholesale seed mer- chant, Hamilton.	As sold. As guaranteed. Standard sample
"	25 Fertilizer.	22271	W. O. Foster, St. Thomas.	Steel, Briggs & Co., Toronto.	As sold. As guaranteed. Standard sample
"	25 Fertilizer.	22272	" " "	" " "	As sold. As guaranteed. Standard sample.
"	26 Bone Meal.	22274	Darch & Hunter, London, Ont.	Michigan Carbon Works, Detroit.	As sold. As guaranteed. Standard sample.
"	27 Sure Growth.	22277	Hastings & Son, Woodstock.	W. A. Freeman, Hamilton.	As sold. As guaranteed. Standard sample (1630)
"	27 Potato Manure	22278	" " "	" " "	As sold. As guaranteed. Standard sample (1634)
"	27 Tankage.	22280	London Soap Co., London.	London Soap Co., London.	As sold. As guaranteed. Standard sample
"	24	22268	R. Hookway & Son, London.	. . . . .	As sold. As guaranteed. Standard sample.
<i>District of British Colum- bia—E. B. Parkinson, Inspector.</i>					
May	4 Fertilizer.	24981	E. Hunt, Steve- ston, B.C.	Vancouver Fertilizer Co.	As sold. As guaranteed. Standard sample

Samples as sold in 1905—Continued.

RESULT OF ANALYSIS.										Relative value per ton, 2000 lbs.	Analyst.	Remarks.	No. of Sample.
Nitrogen.		Phosphoric Acid.						Pota-h.	Moisture.				
Total.	As Ammonia.	Soluble in water.	Citric Soln. 4c.	Insoluble.	Total.	Available.							
p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	cts				
.....	.....	3.82	2.98	3.15	9.95	6.80	6.36	14.75	15.16	W. H. Ellis.	Low in available phosphoric acid.	25274
.....	.....	8.00	2.00	1.00	11.00	10.00	8.00	.....	.....	.....	.....	.....
Tr.	Tr.	6.88	3.36	3.35	13.59	10.24	7.23	10.56	20.1	.....	.....	.....
0.87	1.05	5.88	1.92	3.00	10.80	7.80	7.00	14.70	20.6	"	Genuine.....	25275	
0.82	1.00	7.00	2.00	1.00	10.00	9.00	7.00	.....	.....	.....	.....	.....
0.84	1.02	7.51	1.45	3.19	12.15	8.96	8.40	11.88	22.91	.....	.....	.....
2.49	3.20	5.33	1.52	1.90	8.75	6.85	6.28	10.67	23.60	"	"	25276	
2.47	3.00	6.00	2.00	1.00	9.00	8.00	6.00	.....	.....	.....	.....	.....
2.17	2.64	6.39	3.69	1.91	11.90	10.08	6.87	9.01	55	.....	.....	.....
1.30	1.51	5.08	2.67	2.70	10.45	7.75	0.54	12.50	14.30	"	Not registered.....	25277	
.....	
1.79	2.18	4.68	2.77	2.90	10.35	7.45	2.04	11.92	17.74	"	"	25278	
.....	
2.24	2.72	7.40	1.60	1.85	10.85	9.00	2.35	18.06	21.16	W. H. Ellis.	Genuine.....	22262	
.....	.....	3.50	.....	.....	8.00	.....	3.00	.....	.....	.....	.....	.....
2.94	3.57	5.24	3.21	7.03	15.48	8.45	2.85	15.60	24.18	.....	.....	.....
2.16	2.62	6.40	2.06	2.70	11.15	8.45	1.98	10.01	20.06	"	Not registered.....	22264	
.....	
3.21	3.89	.....	11.35	11.45	22.80	11.35	.....	6.99	26.82	"	"	22266
.....	
4.19	5.08	.....	11.60	9.70	21.30	11.60	.....	7.12	29.91	"	"	22271
.....	
5.04	6.11	3.25	8.25	5.45	16.95	11.50	2.08	5.01	33.82	"	"	22272	
.....	
1.35	1.64	.....	15.50	14.50	30.00	15.50	.....	3.77	25.99	"	"	22274
.....	
2.77	3.35	4.40	3.95	6.25	14.60	8.35	3.43	8.57	24.13	"	Genuine.....	22277	
.....	.....	3.50	.....	.....	8.69	.....	3.00	.....	.....	.....	.....	.....
2.94	3.57	5.24	3.21	7.03	15.48	8.45	2.85	15.60	24.18	.....	.....	.....
3.19	3.86	0.20	8.65	4.45	13.30	8.35	4.77	7.56	26.47	"	"	22278	
.....	
2.81	3.40	6.07	2.73	5.59	14.39	8.80	5.56	14.72	27.04	.....	.....	.....
5.03	6.10	4.85	5.95	5.80	16.60	10.80	0.22	5.08	31.21	"	Not registered.....	22280	
.....	
0.11	0.14	.....	7.45	5.50	12.95	7.45	.....	0.86	10.22	"	"	22268
.....	
0.56	0.68	trace	0.2	0.1	0.3	0.2	.....	1.12	2.15	J. C. Fagan.	A bone meal no doubt leached out in a refinery; is of no value as a fertilizer.	24981

RECORD of Fertilizer

Date of Collection.	Name of Sample or Brand.	No. of Sample.	Name and Address of Vendor.	Name and Address of Manufacturer or Furnisher.	Inspector's Report.
	<i>District of British Columbia—Con.</i>				
May 9	Fish Guano.. . . .	24992	Brackman & Kerr, Vancouver.	Frazer River. Oilery, near Vancouver.	As sold. As guaranteed. Standard sample.
" 9	B. Fertilizer.	24993	" " "	Victoria Chemical Co., Victoria.	As sold. As guaranteed. Standard sample (1706)
" 9	Bone Meal.	24994	" " "	Unknown.	As sold. As guaranteed. Standard sample.
" 9	'C' Fertilizer.	24996	Brackman & Kerr, New Westminster.	Victoria Chemical Co., Victoria.	As sold. As guaranteed. Standard sample (1707)
" 10	Nitrate of Soda.	24997	M. J. Henry, Vancouver.	" " "	As sold. As guaranteed. Standard sample (1703)
" 10	Sulphate of Potash.	24998	" " "	" " "	As sold. As guaranteed. Standard sample (1701)
" 10	Thomas Phosphate.	24999	Brown Bros., Vancouver.	" " "	As sold. As guaranteed. Standard sample (1702)

Samples as sold in 1905—Concluded.

RESULT OF ANALYSIS.										Relative value per ton, 2000 lbs.	Analyst.	Remarks.	No. of Sample.
Nitrogen.		Phosphoric Acid.						Potash.	Moisture.				
Total.	As Ammonia.	Soluble in water.	Citric Soluble.	Insoluble.	Total.	Available.							
p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	\$ cts				
9.2	11.22	0.8	7.1	0.2	8.1	7.9	0.4	7.96	38.67	J. C. Fagan.	This fertilizer is not registered	24992	
3.92	4.76	8.0	0.9	0.3	9.8	9.5	11.5	11.18	36.23	" ..	" ..	24993	
3.50					9.0			11.0					
2.87	3.49	8.0	1.59	0.64	10.25	5.69	11.81	10.28	33.11				
4.48	5.44	trace	12.0	10.8	22.8	12.0		9.8	31.67	" ..	Not described so as to admit of identification with any registered brand.	24994	
trace	trace	13.0	0.6	0.4	14.0	13.6	11.3	11.5	27.68	..	Genuine..	24996	
					12.5			11.0					
0.35	0.42	12.66	0.13	2.43	15.22	12.79	11.97	11.04	29.22				
15.85	19.17							1.8	53.89	" ..	" ..	24997	
16.00													
12.57	15.26							0.96	42.74				
								49.0	3.4	49.00	" ..	" ..	24998
								50.0					
								42.19	1.44	42.19			
		none	11.5	4.3	15.8	11.5		3.4	15.66	" ..	Genuine, being up to guaranty, though not up to standard sample filed with the Dept. Inland Rev.	24999	
			15.99	4.15	20.14	15.99		0.05	20.49				